"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-R

CIA-RDP86-00513R00041271

IEDUROVA, L.M.

AID P - 1879

Subject

: USSR/Meteorology and Hydrology

Card 1/1

Pub.71-a - 22/26

Author

: Fedorova, L. N.

Title

Ionosphere and its importance for radio communication

Periodical:

: Met. i gidro., no.2, 57-58, 1955

Abstract

The article is an answer to a letter from members of a kolkhoz and gives a historical review and explanation of the ionosphere, its layers, short waves, critical frequency, seasonal variations, etc.

Institution:

Scientific Research Institute of Terrestrial Magnestism

Submitted

No date

ROZOV, B.S.; MEL'NIKOV, S.M., nauchn. red.; FEDOROVA, L.N., red.; SHMAKOVA, T.M., tekhn. red.

[Industry's requirements as to the quality of mineral raw materials] Trebovaniia promyshlennosti k kachestvu mineral'noge syr'ia; spravochnik dlia geologov. Izd.2., perer. Moskva, Gosgeoltekhizdat. No.17.[Antimony] Sur'ma. 1963. 42 p.

1. Moscow. Vsesoyuznyy naucimo-issledovatel skiy institut mineral nogo syr'ya.

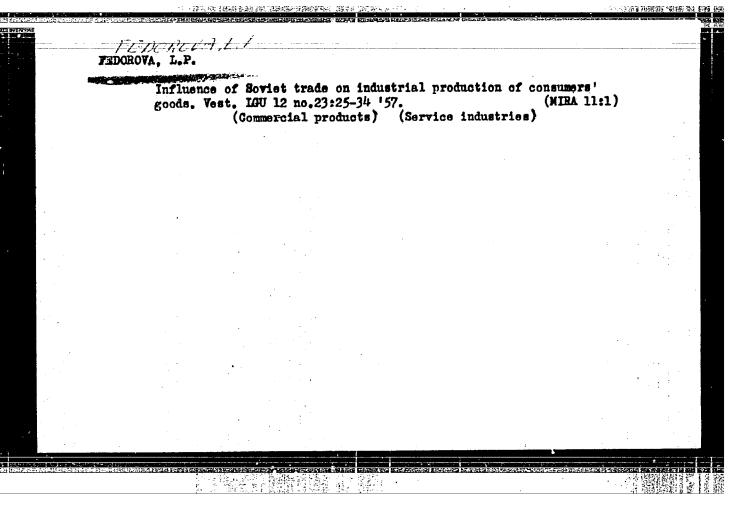
(Antimony)

(MIRA 16:12)

ALEKSEYEV, F.A., prof., red.; MCGILEVSKIY, G.A., kand. geol.miner. nauk, red.; FEDOROVA, L.N., ved. red.

[Direct methods for prospecting for cil and gas] Priemye
metody poiskov nefti i gaza. Moskva, Nedra, 1964. 129 p.
(MIRA 17:12)

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041271



YEGOROVA, N.G.; KUZNETSOVA, V.Ye.; KUPRIKHIN, V.I.; MARTYNOV, B.P.; RUGAYEVA, V.A.; PEDOROVA, L.P.; CHUYAN, K.I.[deceased]; SHTRUK, G.G., insh., red.; GORDEYEVA, L.P., tekhn.red.

[General engineering time norms for cold forging] Obshchemashinostroitel'nye normativy vremeni na kholodnuiu shtampovku. Moskva, Gos.nauchno-tekhn.isd-vo mashinostroit.lit-ry, 1959. 151 p. (MIRA 13:7)

1. Hoscow. Nauchno-issledovatel'skiy institut truda. TSentral'noye byuro promyshlennykh normativov po trudu.
(Forging)

ACCESSION NR: AR4034709

8/0285/64/000/003/0018/0019

SOURCE: Referctivny+y shurnal. Turbostroyeniye. Otdel'ny+y vy+pusk, Abs. 3.49.129

AUTHOR: Rumyantsev, A. P., Fedorova, L. P.

TITLE: Control of turbine blades by the ultrasonic immersion method

CITED SOURCE: Tr. Khar'kovsk. aviats. in-ta, vy*p. 22, 1963, 176-182

TOPIC TAGS: turbine, machining, ultrasonic flow detector, turbine blade, UZD-7M flaw detector, flaw detector

TRANSLATION: A method has been developed for the ultrasonic immersion control of parts of complex shape (turbine blades) and continuous automatic control was achieved. The sensitivity of the method makes it possible to observe defects of any type (any discontinuity in the metal) with minimum equivalent area of reflection, equal to 1 mm². An original device to burnish the profile of the blade with a gauge has been designed and built which makes it possible to keep a constant angle of inclination between the gauge and the surface of the blade throughout the entire control period. An electronic attachment to an ultrasonic flaw detector UZD-TM has been designed and constructed which makes it possible to automatically record the

Cord 1/2

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041271

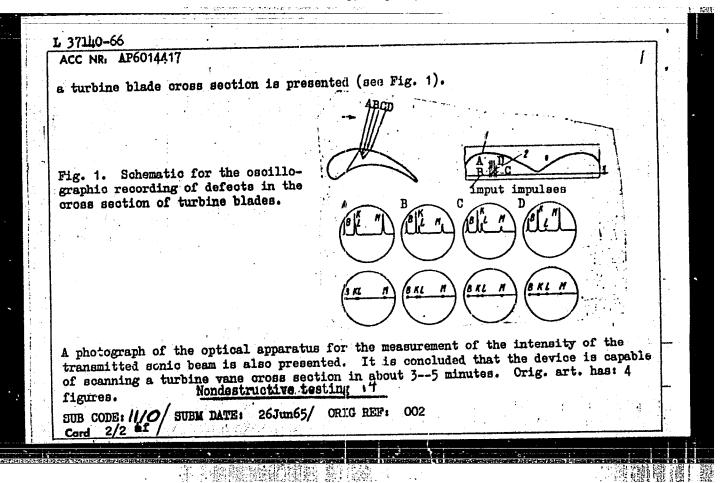
ACCESSION MR: AR4034709 results of the control. This method made it possible to study more than 50 defective cross sections in turbine blades. All the besic types of defects typical of turbine blades were turned up in the study. DATE ACQ: O9Apr64 SUB CODE: PR EMCL: CO	مسيوب		ा । सङ्ग्री का श्रीहर यह सम्मान हमा <mark>स्य सम्मान सम्म</mark>	ear of the property of the second		०५ विश्वप्रसंस्थ्य भाग्ने वर्ष
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turbine blades were turned up in the study. DATE ACQ: O9Apr64 SUB CODE: PR ENGL: OO		tive order se	antions in turbine blad	es. All the besic type	of defeats typ	ical of
DATE ACQ: O9Apr64 SUB, CODE: PR EECL: CO		turbine blade	es were turned up in the	e study.	•	
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GAVRANEK, V.V., inzh.; FELOROVA, L.R., inzh.

Ultrasonio testing of the structure of stamped articles.

Mashinostroenie no.4:66-68 Jl-Ag '64. (MIRA 17:10)

EMT(d)/EMT(1)/EMT(m)/EMP(w)/EMP(v)/T/EMP(t)/ETI/EMP(k)/EMP(1)L 37140-66 SOURCE CODE: UR/0381/65/000/005/0003/0007 (N) JD/HW/EM/JT ACC NR: AP6014417 AUTHORS: Rumyantsev, A. P.; Fedorova, L. P.; Kravchenko, N. A.; Tararoyeva, L. D.; Krichevskaya, I. V. 68 67 ORG: none TITLE: Ultrasonic control of macrodefects and local structural inhomogeneities in B turbine blades SOURCE: Defektoskopiya, no. 5, 1965, 3-7 TOPIC TAGS: turbine blade, to metallurgic testing machine, metal test ulfoconics ABSTRACT: An immersion type ultrasonic installation for the detection of structural defects in turbine blades, developed by the Khar'kov Aviation Institute (Khar'kovskiy aviatsionnyy institut) and the Khar'kov Polytechnic Institute (Khar'kovskiy politekhnicheskiy institut) for the Khar'kov Turbogenerator Factory im. S. M. Kirov (Khar'kovskiy turbogeneratornyy zavod), is described. The device is capable of detecting defects whose effective reflective area is larger than 3 mm2. The installation consists of a water bath, ultrasonic generator of 2.5 megacycles, receiver, and associated electronics for converting the sound signals into electric impulses and displaying the latter on an oscilloscope. The intensity of the transmitted sound was determined by means of an optical installation. A schematic of the control path, associated electronics, and recording procedure for the determination of defects along UDC: Card 1/2



L 16749-66 EWT(d)/EWT(1)/EWT(m)/EWP(c)/EWA(d)/EWP(v)/T/EWP(t)/EWP(k)/EWP(1)/EWA(h)/ETC

ACC NR: AP6004127 IJP(6)// JD SOURCE CODE: UR/0420/65/000/001/0063/0069

AUTHORS: Gavranek, V. V.; Fedorova, L. R.

ORG: Kharkov Aviation Institute (Khar'kovskiy aviatsionnyy institut)

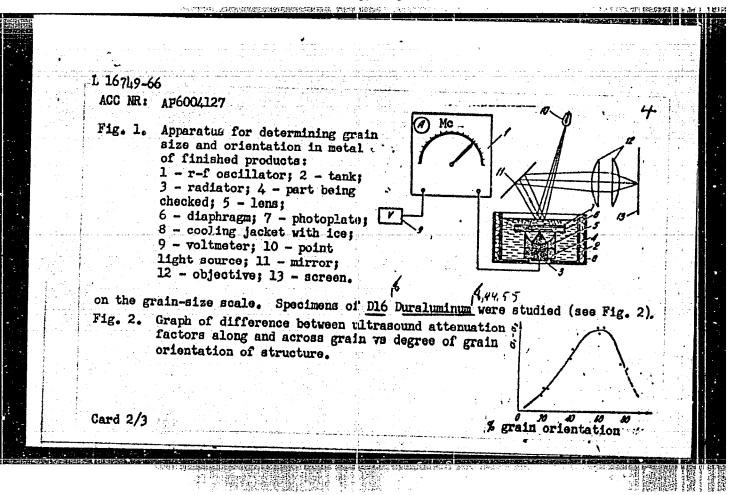
TITLE: Determining grain size and orientation in drop-forged products

44,55 |

SOURCE: Kharkov. Aviatsionny institut. Samoletostroyeniye i tekhnika
vozdushnogo flota, no. 1, 1965, 33-69

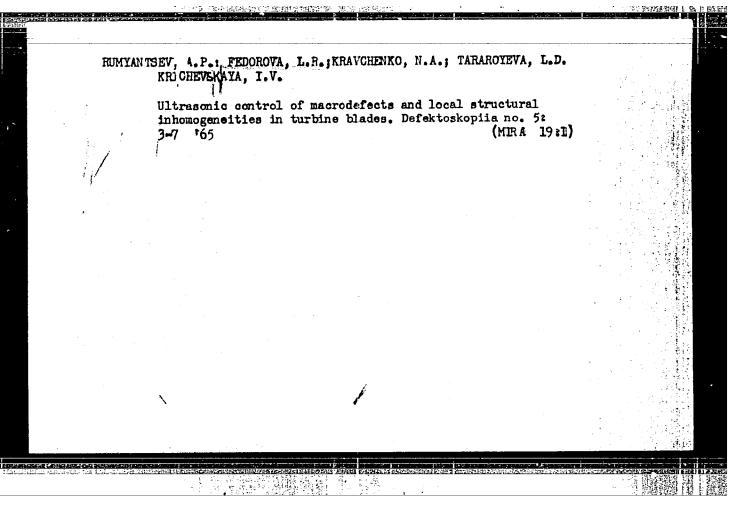
TOPIC TAGS: grain size, grain structure, ultrasonic inspection, steel, alloy, nondestructive test / D16 alloy

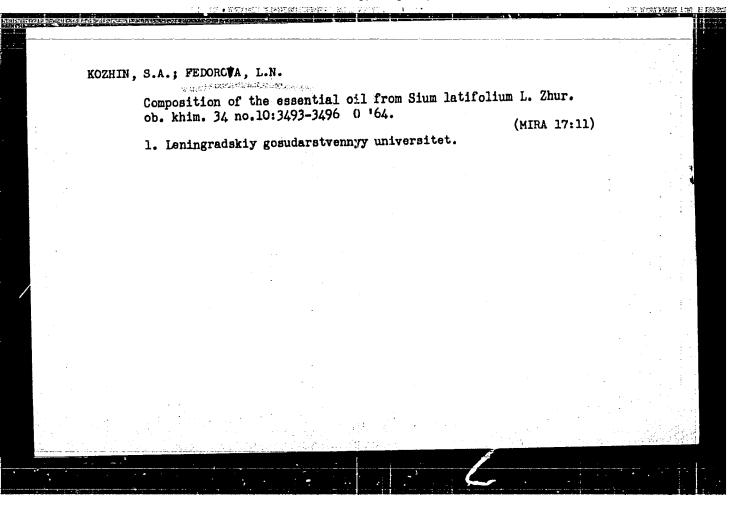
ABSTRACT: A method of nondestructive inspection of the structure of products by the increased-power ultrasonic method is proposed. The method permits visual observation of changes in the attenuation factor as well as recording of the results of monitoring on a photographic plate. Appearatus for the method is described (see Fig. 1). The frequency intervals of ultrasonic oscillations in which (with a small frequency drift) the attenuation factor changes at a maximum rate were established experimentally. Ultrasonic photographs were taken at 2.8 and 2.9 Mg. The accuracy of the method in determining grain size is 1—2 points



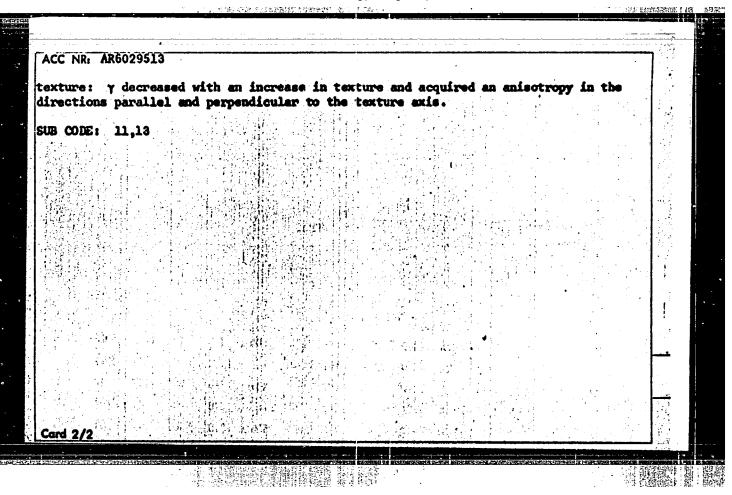
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I 16749-66 ACC NR: AP6004127 In the presence of grain in a metal, the attenuation factor of ultrasound decreases and takes on an anisotropic nature along and across the grain. Orig. art. has: 1 diagram, 1 graph, 1 table, and 2 photographs. SUB COIE: /3 SUBM DATE: none/ CRIG REF: 003/ OTH REF: 001		er - conservation of the second
In the presence of grain in a metal, the attenuation factor of ultrasound decreases and takes on an anisotropic nature along and across the grain. Orig. art. has: 1 diagram, 1 graph, 1 table, and 2 photographs. SUB COLE: /3 SUBM DATE: none/ CRIG REF: 003/ OTH REF: 001		
art. has: 1 diagram, 1 graph, 1 table, and 2 photographs. SUB CODE: /3 SUBM DATE: none/ CRIG REF: 003/ OTH REF: 001		1
art. has: 1 diagram, 1 graph, 1 table, and 2 photographs. SUB COLE: /3 SUBM DATE: none/ CRIG REF: 003/ OTH REF: 001	presence of grain in a metal, the attenuation factor of ul	trasound
	88 and takes on an anisotropic nature along and across the	grain. Orig.
aluminum	: /3 SUBM DATE: none/ CRIG REF: 003/ OTH REF: 001	
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ACC NR: AR6029513 SOURCE CODE: UR/0137	/66/000/006/1084/1084
AUTHOR: Gavranek, V. V.; Fedorova, L. R.	
TITLE: A study of the effect of alloy structure on the damping tions	of ultrasonic oscilla-
SOURCE: Ref. zh. Hetallurgiya, Abe. 61591	
REF SOURCE: Vestn. Khar'kovsk. politekhn. in-ta, no. 5(53), 190	55, 20-26
TOPIC TAGS: ultrasonic property, pearlite steel, martensite steels steel, KhVG steel, ST20 steel, U8 steel, U12 steel, E1256 steels steel, KhVG steel, ST20 steel, U8 steel, U12 steel, E1256 steels	teel, austenite steel / teel, EI612 steel '' ructures by means of ude of about 10 ⁻⁸ -10 ence of damping (\gamma) was 11 volumes. The grain austenitic grades of o iron (ferritic struc- ponding to the rela- rain diameter; this re- luraluminum D16, the na-
UDC: 669.017.6	320.1:539.67
Card 1/2	



USSR/ Chemistry - Organic chomistry

Card 1/1 Pub. 40 - 23/26

Authors : Kolesnikov, G. S.; Korshak, V. V.; and Federova, L. S.

Title : From the field of high molecular compounds. Part 71. Polycondensation of

1,2-dichloroethane with chlorobenmene in the presence of AlCla.

Pariodical 1 Izv. AN SSSR. Otd. khim. naul: 2, 359 - 364, Mar-Apr 1955

Abstract 1 The process of polycondensation of 1,2-dichloroethane with chlorobenzene

was investigated and the basic laws governing this condensation process were established. It was found that the introduction of a Cl atom into the benzene ring hampers the formation of the trimeric polycondensation products. The structures of reaction products obtained over AlCl3 contacts are described. Seven references: 5 USSR, 1 USA and 1 German (1916-

1955). Tables; graphs.

Institution: Acad. of Sc., USSR, The N. D. Zelinskiy Inst. of Organ. Chem.

Submitted: January 27, 1954

1 6 06 4 60 1 1.5

USSR/Analytical Chemistry - Analysis of Inorganic Substances, G-2

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 1224

Author: Korenman, I. M., Potemkina, V. J., and Fedorova, L. S.

Institution: None

Title: Chromotropic Azodyes as Reagents for Trivalent Thallium

Original

Periodical: Zh. analit. khimii, 1956, Vol 11, No 3, 307-309 (with a summary in

Abstract: The possibility of utilizing azo-uerivatives of chromotropic acid for the determination of Tl(III). It is shown that these reagents give color reactions with Tl(III) in weakly acid medium (CH3COOH). Ndimethylanilineazochromotropic acid was used in the determination of 1-10 Yml Tl(III) in HCl in the presence of a 100-1,000-fold amount of Al, a 100-fold amount of Fe(III), a 300-fold amount of Mg, and a 700-fold amount of Ca. The salts of Tl(I) do not give such color

reactions.

Card 1/1

FEDESCVA, L.S. KOLESNIKOV, G.S.: FEDOROVA, L.S. Polymerization of acrylonitrile in presence of tributyl boron. Try.AH SSSR. Otd. khim. nauk no.2:236-237 F 157. (MIRA 10:4) 1. Institut elementoorganichoskikh soyedimeniy Akademii nauk SSSR. (Acrylonitrile) (Polymerization)

AUTHORS:

TITLE:

Korshak, V. V., Kolesnikov, G. S. Fedorova, L. S.

Synthesis of Polyarylene Alkyls (Sintez poliarilenalkilov)

Communication 3. The Polycondensation of 1,2-Dichlorethane

With Fluorobenzene (Soobshcheniye 3. Polikondenzatsiya

1,2-dikhloretana s ftcrobenzolom)

PERIODICAL:

Izvestiya Akademii Nauk SSSR, Otdeleniye Khimicheskikh Nauk,

1958, Nr 3, no. 353-356 (USSR)

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ABSTRACT:

During the investigation of the polycondensation of aromatic

hydrocarbons with dihaloidalkanes in the presence of aluminum

chloride the authors discovered that the presence of a substituent in the benzene nucleus (e. g. of the chlorine atom or methyl group) renders the formation of three-dimensio-

nal polycondensation products difficult. For the purpose of determining the influence of the magnitude of a substituent upon the tendency toward the formation of three-dimensional products the authors investigated the polycondensation of

1,2-dichlorethane with fluorobenzene in the presence of aluminum chloride. For the purpose of determining the influence of the correlation of the reacting substances upon

Card 1/2

Synthesis of Polyarylene Alkyls. 62~58-3-16/30 Communication 3. The Polycondensation of 1,2-Dichlorethane With Fluorobenzene

the course of the condensation process a whole number of experiments was performed. The method of investigation was the same as in earlier performed investigations (reference 3) with the only difference that after the distillation of the solvent difluorodiphenylethane and 2,4-bis-[\beta-(4-fluorophenyl)--ethyl-]-fluorobenzene were also distilled in vacuum. For this see tables 1 and 2. The authors further determined: the structure of the basic member of the product of polycondensation of fluorobenzene with 1,2-dichlorethane. The following compounds were synthesized for the first time: 2,4-dimethyl-fluorobenzene, 2,4-fluorobenzene-dicarboxylic acid and the dimethyl ester of this acid. There are 2 tables and 4 references, all of which are Soviet.

ASSOCIATION:

Institut elementoorganicheskikh soyedineniy Akademii nauk SSSR (Institute for Elemental - organic Compounds AS USSR)

SUBMITTED:

October 9, 1956

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Card 2/2

AUTHORS:

Kolesnikov, G. S., Fedorova, L. S.,

SOV/62-58-7-15/26

Tsetlin, B. L., Klimentova, N. V.

TITLE:

Carbon Chain Polymers and Copolymers (Karbotsepnyye polimery i sopolimery) Communication 5. The Synthesis and the Properties of the Copolymers of Acrylonitryl and Methyl Methacrylate (Soobshcheniye 5. Sintez i svoystva sopolimerov akrilonitrila i

metilmetakrilata)

PERIODICAL:

Izvestiya Akademii nauk SSSR, Otdeleniye khimicheskikh nauk,

1958, Nr 7, pp 886 - 890 (USSR)

ABSTRACT:

The present paper deals with the explanation of the influence of the correlation of the monomers (in the initial mixture) on the composition (structure) of the copolymer at a relatively high rate of reaction. The authors further deal with the investigation of the dependence of some properties of the copolymers on their structure. The authors produced acrylonitryle and methyl methacrylate copolymers by means of an emulsion at a high rate of reaction. Furthermore the structure of these copolymers was determined. It was found that minimum values of the character-

Card 1/2

istic viscosity of the copolymers on the one hand, and of the temperatures of the passage into highly elastic and more liquid

Carbon Chain Polymers and Copolymers. Communication 5: SOY/62-58-7-15/26 The Synthesis and the Properties of the Copolymers of Acrylonitryl and Methyl Methacrylate

state on the other hand correspond to copolymers of different structure. It was also found that methyl methacrylate copolymers with acrylonitryle (up to 30 molar % of acrylonitryle) approach poly methyl methacrylate very closely as regards its stability. There are 3 figures, 2 tables, and 11 references, 2 of which are Soviet.

ASSOCIATION:

Institut elementoorganicheskikh soyedineniy Akademii nauk SSSR

(Institute of Elemental-organic Compounds, AS USSR)

SUBMITTED:

December 30, 1956

Card 2/2

AUTHORS:

Kolesnikov, G. S., Federova, L. S.

807/62-58-7-23/26

TITLE:

On the Polymerization Mechanism of Arrylonitrile in the Presence of Boron Tributyl (O mekhanizme polimerizatsii

akrilonitrila v prisutstvii tributilbora)

PERIODICAL:

Izvestiya Akademii nauk SSSR, Otdeleniye khimicheskikh nauk,

1958, Nr 7, p 906 (USSR)

ABSTRACT:

Boron alkyls are a new type of catalysts in the polymerization of unsaturated compounds (Refs 1-5). The more accurate determination of the catalytic efficiency of the boron alkyls is of special interest. The authors of the present article found in the investigation of the process of the emulsion polymerization of acrylonitrile in the presence of boron tributyl that in the case of an absence of oxygen no polymerization of acrylonitrile takes place (at 20 and 500). However, the polymerization using acrylonitrile or water (without

ever, the polymerization using acrylonitrile or water (without oxygen extraction) proceeds easily. The polymerization also takes place easily if no air is displaced from the ampoule by means of nitrogen. The poly-acrylo nitrile yield reaches 60%.

The release of the acrylonitrile polymerization by means of boron tributyl includes the intermediate stage (the formation

Card 1/2

507/62-58-7-23/26

On the Polymerization Mechanism of Acrylonitrile in the Presence of Boron Tributyl

> of products of the interaction of boron tributyl with oxygen). The already earlier observed small yield of poly-acrylonitrile in the polymerization of acrylonitrile (in the presence of boron tributyl in toluene) can be explained by the fact that the polymerization was carried out in the nitrogen atmosphere free from oxygen. The monomer and the solvent were distilled prior to the polymerization; this effected the removal of the greatest part of the oxygen dissolved in them. There are 6 references, 4 of which are Soviet.

ASSOCIATION: Institut elementoorganicheskikh soyedineniy Akademii nauk SSSR

(Institute of Elemental-organic Compounds AS USSR)

SUBMITTED:

April 29, 1958

Card 2/2

KOLESNIKOV, G.S.; FEDOROVA, L.S.

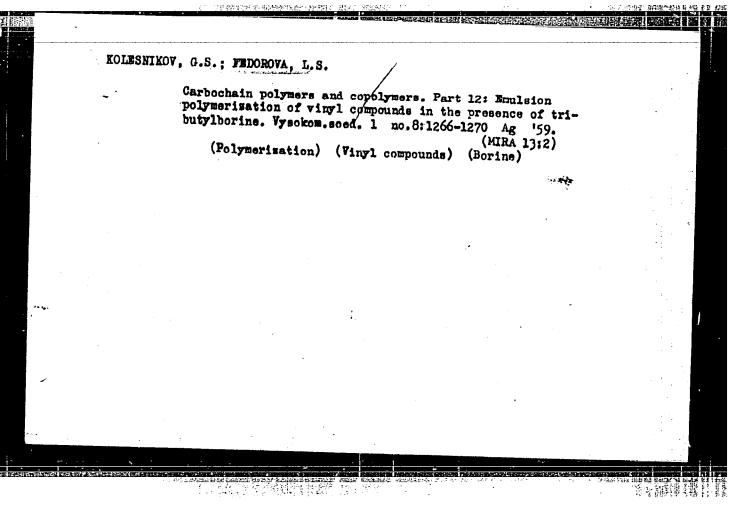
Synthesis of polyarylenealkyls. Report No.10: Destruction of poly(chlorophenylene)ethyl by chlrobensene and bensene. Ixv. AN SSSR. Otd.khim.nauk no.1:144-147 Ja 159. (MIRA 12:4)

1. Institut elementoorganicheskikh soyedineniy AN SSSR. (Ethane) (Benzene)

KOLESNIKOV, G.S.; RODIONOVA, Ye.F.; MEDOROVA, L.S.

Carbon chain polymer and copolymers. Part ll: Synthesis, polymerisation, and copolymerisation of esters of vinylphosphinic acid. Vysokom. soed. 1 no.3:367-372 Mr 59. (MIRA 12:10)

1. Institut elementoorganicheskikh soyedineniy AN SSSR. (Phosphinic acid)



5(3)

AUTHORS: Kolesnikov, G. S., Fedorova, L. S., Tsetlin, B. L., Klimentova, N. V.

507/62-59-4-27/42

TITLE:

Carbon Chain Polymers and Copolymers (Karbotsepnyye polimery i sopolimery). Communication 9. Synthesis and Properties of Copolymers of Vinylidene Chloride With Acrylonitrile and Methylmethacrylate (Soobshcheniye 9. Sintez i svoystva sopolimerov khloristogo vinilidena s akrilonitrilom i metilmetakril-

atom)

PERIODICAL:

Izvestiya Akademii nauk SSSR. Otdeleniye khimicheskikh nauk,

1959, Nr 4, pp 731-735 (USSR)

ABSTRACT:

In the present work an attempt was made of finding out the effect of the composition of copolymers of vinylidene chloride with acrylonitrile and methylmethacrylate on their transition temperatures in various physical states and on their solubility in organic solvents. In the synthesis of the copolymers and in the investigation of their properties the same methods were used as in the investigation of the copolymers of acrylonitrile with methylnethacrylate (Ref 16). The results obtained in the investigation of the composition and properties

of the copolymers of the system vinylidenechloride-acrylonitrile

Card 1/3

Carbon Chain Polymers and Copolymers.

Communication 9. Synthesis and Properties of Copolymers of Vinylidene Chloride With Acrylonitrile and Methylmethacrylate

are shown in table 1. The conditions were similar in all cases. The only change was in the ratio of the monomers in the initial solution. The values of the vitrification temperature (Tst) and the flowing temperature (Tt) of the copolymers were determined from the thermomechanical compression curves (Fig 1). Table 1 shows that a higher vinylidene chloride-monomer content in the initial solution reduces the yield of the copolymer. Of all copolymers obtained only that with 44.1 mol% vinylidene chloride content is soluble in acetone. This copolymer has the least viscosity and the lowest \mathbf{T}_{st} . Upon transition from the homopolymer of vinylidene chloride to copolymers with already smaller quantities of acrylonitrile the thermomechanic curves assume the form which is characteristic of normal thermomechanic curves of linear amorphous polymers. The values T and Tt decrease rapidly. Table 2 shows the investigation results of the system vinylidene chloride-methylmethacrylate. Figure 2 shows the thermomechanic curves for the samples of

Card 2/3

Carbon Chain Polymers and Copolymers. SOV/62-59-4-27/42 Communication 9. Synthesis and Properties of Copolymers of Vinylidene Chloride With Acrylonitrile and Methylmethacrylate

this system. All copolymers are easily soluble in dichloro-ethane. Copolymers with a content of 20 mol% vinylidene chloride are soluble in acetone. With a higher vinylidene chloride content they become insoluble in acetone. Copolymers with a high vinylidene chloride content have a low T_{st} and T_t just as in the system vinylidene chloride-acrylonitrile. Numerous copolymers of this system have a comparatively low T_t and sufficiently high T_{st}. For this reason it might be possible to manufacture these copolymers by means of casting methods. There are 2 figures, 2 tables, and 30 references, 1 of which is Soviet.

ASSOCIATION:

Institut elementoorgenicheskikh soyedineniy Akademii nauk SSSR (Institute of Elemental-organic Compounds of the Academy of

Sciences, USSR)

SUBMITTED:

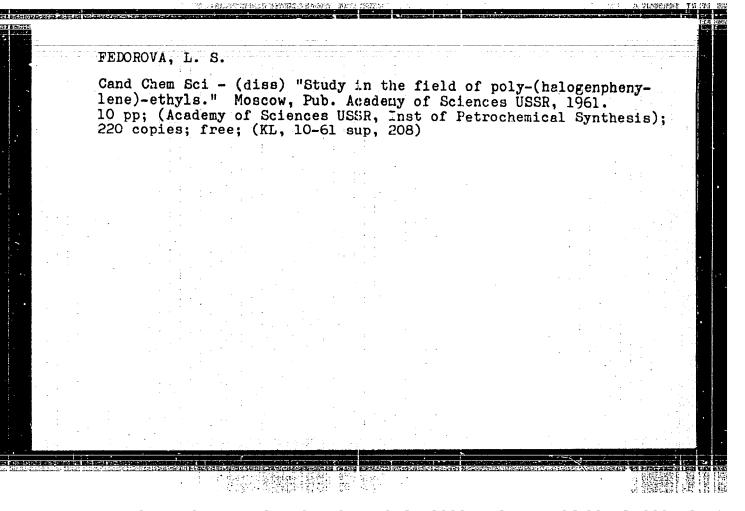
July 18, 1957

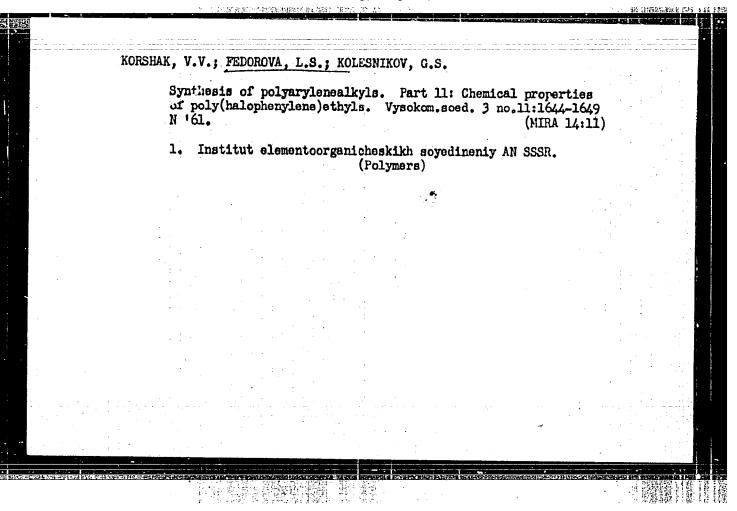
Card 3/3

KOLESHIKOV, G.S.; RODIONOVA, Ye.F.; PEDOROVA, L.S.; GAVRIKOVA, L.A.

Carbochain polymers and copolymers. Part 27: Polymerization and copolymerization of di-n-butyl vinylphosphonate. Vysokom. soed. 2 no.9: 1432-1437 S '60. (MIRA 13:9)

1. Institut elementoorganicheskikh soyedineniy AN SSSR. (Polymerization)





KORSHAK, V.V.; FEDOROVA, L.S.; KOLESNIKOV, G.S.

Synthesis of polyarylenealkyls. Part 12: Polycondensation of 1,2-dichlorothane with brombenzene. Vysokom.seed. 3 no.11:1650-1654 N '61. (MIRA 14:11)

1. Institut elementoorganicheskikh soyedineniy AN SSSR. (Ethane) (Benzene) (Polymers)

34500 \$/190/62/004/003/020/023 B124/B101

15.8150

Rodionova, Ye. F., Kolesnikov, G. S., Fedorove, L. S.,

Gavrikova, L. A.

TITLE:

AUTHORS:

Carbon chain polymers and copolymers. XXXVII. Polymerization

and copolymerization of diphenyl vinylphosphinate

PERIODICAL: Vysokomolekulyarnyye scyedineniya, v. 4, no. 3, 1962, 448-451

TEXT: The results of a study performed on the polymerization of diphenyl vinylphosphinate (DVP) and its copolymerization with styrene and acrylonitrile are presented. DVP was mass-polymerized in nitrogen at 60°C in sealed tubes in the presence of one of the following initiators: benzoyl peroxide, tert-butyl hydroperoxide, and azoisobutyrodinitrile. DVP was further copolymerized with styrene in mass and in emulsion. With increasing DVP content in the starting monomer mixture, the yield and the intrinsic viscosity of the resulting copolymer decrease. When a molar ratio of DVP and styrene equal to 25:75 is used, 2 molar % of the initiator are added, and the mixture is copolymerized at 72.5°C, a yield of 75% of the copolymer is attained after 7 - 8 hours which remains practically unchanged Card 1/3

Carbon chain polymers ...

S/190/62/004/003/020/023 B124/B101

in the further course of copolymerization. When temperature is lowered from 72.5 to 60°C, the intrinsic viscosity is raised to its double value; lowering of the concentration of the initiator has an analogous effect. When the mentioned two monomers were copolymerized in emulsion at 50°C in nitrogen and in the presence of ammonium persulfate for 36 hours, a copolymer containing about 2% of phosphorus, with an intrinsic viscosity of 1,57 and a molecular weight of 113,000 was obtained. When DVP is copolymerized with o-methylstyrene under conditions similar to those used with styrene, the yield of the copolymer is about the same as with styrene with the phosphorus content being somewhat higher. The vitrification point of the copolymer with o-methylstyrene is somewhat higher than that of the copolymer with styrene. The intrinsic viscosity of a 0.5% solution of the DVP-acrylonitrile copolymer in dimethyl formamide decreases with increasing content of the phosphorus-containing component; the yield of the copolymer after 8 hours of copolymerization varies but little with the composition of the starting mixture in the range of DVP concentrations studied. In all cases, the copolymer contains less of the phosphorus-containing component than the starting mixture. Thanks are due to 3. A. Pavlova for the determination of the molecular weight. There are 2 figures, 6 tables, and 4 Soviet Card 2/3

Carbon chain polymers ...

\$/190/62/004/003/020/023 B124/B101

references.

ASSOCIATION: Institut elementoorganicheskikh soyedineniy AN SSSR (Institute of Elemental Organic Compounds of the AS USSR)

SUBMITTED:

March 14, 1961

Card 3/3

PHASE I BOOK EXPLOITATION SOV/6034

Konferentsiya po khimii i primeneniyu fosfororganicheskikh soyedineniy. 2d,
Kazan', 1959.

Khimiya i primeneniye fosfororganicheskikh soyedineniy; trudy (Chemistry
and Use of Organophosphorus Compounds; Conference Transactions) Moscow,
Izd-vo AN SSSR, 1962, 630 p. Errata slip inserted, 2800 copies printed,

Sponsoring Agency: Akademiya nauk SSSR, Kazanskiy filial,
Resp. Ed.: A, Ye, Arbuzov, Academician; Ed. of Publishing House: L, S.

Povarov; Tech. Ed.: S. G. Tikhomirova.

PURPOSE: This collection of conference transactions is intended for chemists, process engineers, physiologists, pharmacists, physicians, veterinarians, and agricultural scientists.

COVERAGE: The transactions include the full texts of most of the scientific papers presented at the Second Conference on the Chemistry and Use of

Card 1/10

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041271

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	Chemistry and the Use of Organophosphorus (Cont.) SOV/6034	
	Organophosphorus Compounds held at Kazan' from 2 Nov through 1 Dec 1959 The material is divided into three sections: Chemistry, containing 67 articles; Physiological Activity of Organophosphorus Compounds, containing 26 articles; and Plant Protection, containing 12 articles. The reports reflect the strong interest of Soviet scientists in the chemistry and application of organophosphorus compounds. References accompany individual reports. Short summaries of some of the listed reports have been made and are given below.	
	TABLE OF CONTENTS:[Abridged]:	
	Introduction (Academician A. Ye. Arbuzov)	
	TRANSACTIONS OF THE CHEMISTRY SECTION	
	Gefter, Ye. L. [NII plastmass (Scientific Research Institute of Plastics, Moscow). Some Prospects for the Industrial Use of Organophosphorus Compounds Card 2 4	
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•	•	Chemistry and the Use of Organophosphorus (Cont.) SOV/6034		A CONTRACTOR OF THE CONTRACTOR	
		Korshak, V. V., T. M. Frunze, V. V. Kurashev, and L. V. Kozlov [Institute of Organoelemental Compounds]. Synthesis of Some Phosphorus-Containing Dicarboxylic Acids and Derivation of Polyamides Based on Such Acids Phosphorus-containing dicarboxylic acids have been obtained by synthesis and used for the preparation of polyamides. The effect of the phosphorus and the structure of the acids on the properties of the polyamides has been studied. Kolesnikov, G. S., Ye. F. Rodionova, and L. S. Fedorova [Institute of Organoelemental Compounds]. Synthesis, Polymerization, and Copolymerization of Esters of Vinylphosphonic Acid The authors obtained esters of vinylphosphonic acid and demonstrated that these esters are capable of entering the polymerization and copolymerization reaction with other monomers. Polymers and copolymers of the dichloride and esters of vinylphosphonic acid have been synthesized and their properties determined.	,		
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	Chemistry and the Use of Organophosphorus (Cont.) SOV/6034 Andreyeva, M. A., I. A. Gribova, M. I. Kabachnik, G. S. Kolesnikov,	
	and L. S. Fedorova [Institute of Organophosphorus Monomers and Polymers 263	
•	This study attempts to develop new methods of synthesis of organical phosphorus monomers and polymers for obtaining high-molecular discovery materials. The authors synthesized vinyl compounds of	
	pentavalent phosphorus and studied their properties, as well as those of the polymers obtained.	
	Moshkin, P. A., Ye. L. Gefter, and I. K. Rubtsova [Scientific Research Institute of Plastics]. Study of the Synthesis and Uses of Some Organophosphorus Compounds in the Plastics Industry Industrial methods for the preparation of esters of phosphoric acid	
	and for testing qualities of these acids as plasticizers have been developed, along with methods for obtaining phosphorus-containing monomers for use in polymerization, copolymerization, and polycondensation reactions. Polyesters based on dichlorides of	
	Card (4)	
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RODIONOVA, Ye.F.; KOLESNIKOV, G.S.; FEDOROVA, L.S.; GAVRIKOVA, L.A.

Carbochain polymers and copolymers. Part 37: Polymerization and copolymerization of diphenyl vinylphosphinate. Vysokom. soed. 4 no.3:448-451 Mr 162. (MIRA 15:3)

1. Institut elementoorganicheskikh soyedineniy AN SSSR. (Phosphinic acid) (Polymerization)

KOLESNIKOV, G.S.; RODIONOVA, Ye.F.; FEDOROVA, L.S.; MEDVED', T.Ye.; KABACHNIK, M.I.

Carbochain polymers and copolymers. Part 41: Synthesis, polymerization, and copolymerization of vinylphosphinic amides. Vysokom.soed. 4 no.9:1385-1389 S '62. (MIRA 15:11)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.

(Phosphinic amide)

(Polymerization)

\$/081/62/000/023/118/120 B117/B186

AUTHORS:

Kolesnikov, C. S., Rodionova, Ye. F., Fedorova, L. S.

TITLE:

Synthesis, polymerization, and copolymerization of vinyl

phosphinic esters

PERIODICAL:

Referativnyy zhurnal. Khimiya, no. 23, 1962, 816, abstract 23R57 (In collection: Khimiya i primeneniye fosfororganich.

soyedineniy. M., AN SSSR, 1962, 255 - 262)

TEXT: Vinyl phosphinic esters (VPE) were synthesized by dehydrochlorination of the corresponding β-chloroethyl phosphinic esters. Catalysts of the ion type (AlCl3, TiCl4, Na) proved ineffective for polymerizing VPE. VPE were block-polymerized at 50°C in No atmosphere and in the presence of radical initiators. The polymerization is accelerated by enlarging the alkyl radical of VPE (methyl ester being an exception). VPE that contain radicals with equal numbers or C atoms in the principal chain polymerize at the same rate. VPE polymers are soluble in dichloro ethane, insoluble in C6H6 and CCl4. Copolymers of VPE with acrylonitrile, vinyl acetate, and vinyl chloride were Card 1/2

Card 2/2

Synthesis, polymerization, and...

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B117/B186

obtained. In copolymerization, VPE are less reactive than the comonomers mentioned. Polymerization and copolymerization of vinyl phosphinic chloride was also investigated. [Abstracter's note: Complete translation.]

FEDOROVA, L. S.

Dissertation defended for the degree of Candidate of Chemical Sciences at the Institute of Hetrochemical Synthesis: in 1962:

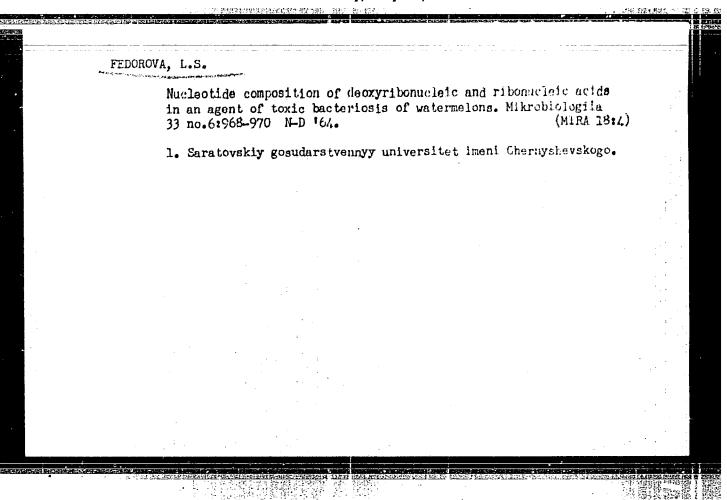
"Investigation in the Field of Poly- (halo-phenylene)-ethyls."

Vest. Akad. Nauk SSSR. No. 4, Moscow, 1963, pages 119-145

KOLESNIKOV, G.S.; RODIONOVA, Ye.F.; FEDOROVA, L.S.; MEDVED', T.Ya.; KABACHNIK, M.I.

Carbochain polymers and copolymers. Part 43: Synthesis, polymerization, and copolymerization of aromatic esters of vinylphosphinic and d-chlorovinylphosphinic acids. Vysokom. soed. 5 no.1:32-38 Ja 163. (MIRA 16:1)

1. Institut elementoorganicheskikh soyedineniy AN SSSR. (Phosphinic acid) (Polymerization)



FEDORGVA, L.S. Muclectide composition of the streptomycin-resistant Erwinia carotovora f. citrullis. Antibiotiki 10 no.9:840-841 5 '65. (MIRA 18:9) 1. Kafodra fiziologii rasteniy i mikrobiologii (zav. - prof. M.P. Gnutenko), Saratovskogo universiteta imeni N.G.Chernyshevskogo.

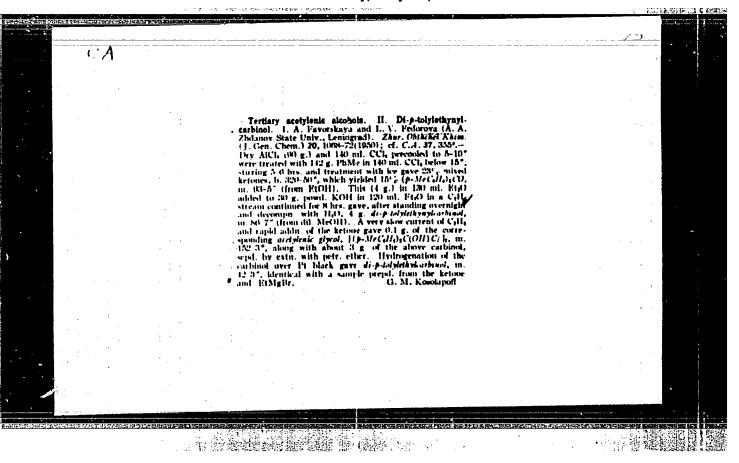
FEDOROVA, L.S.

Connection of urease with the bacterial cell. Zhur. mikrobiol., epid. i immun. 42 no.11:23-26 N '65. (MIRA 18:12)

1. Rostovskiy-na-Donu meditsinskiy institut. Submitted July 6, 1965.

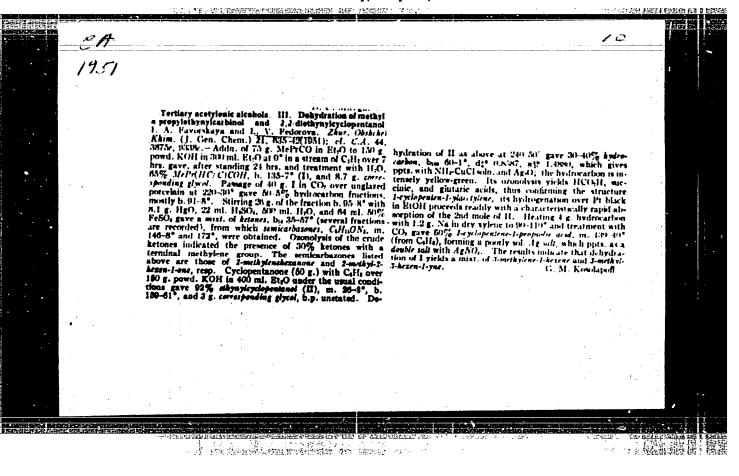
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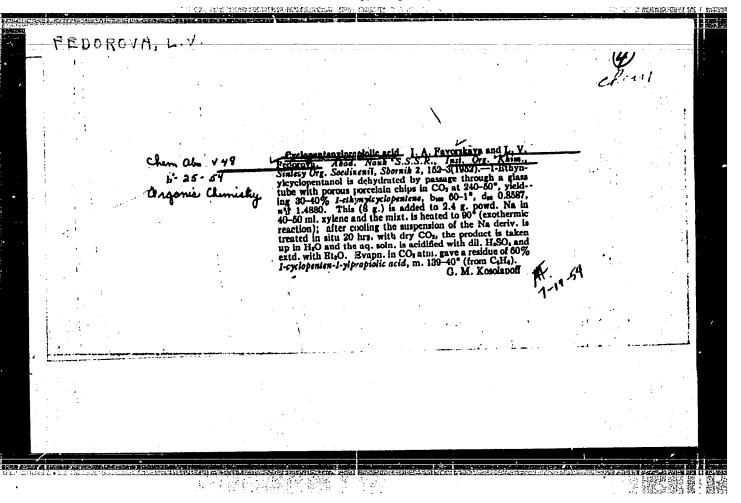
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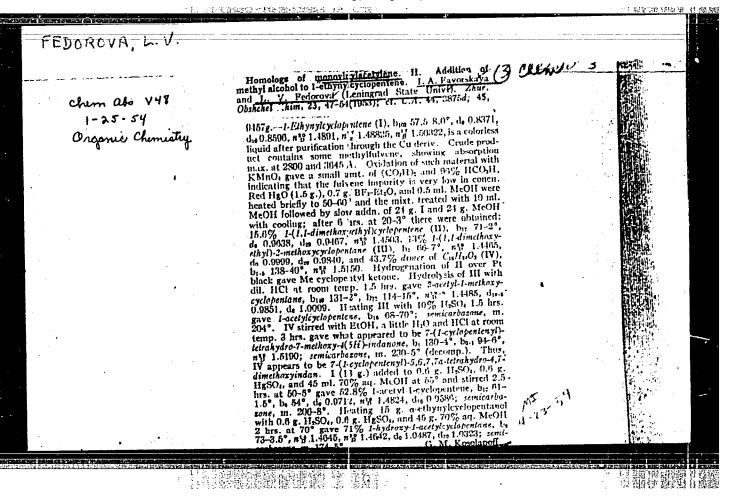


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CIA-RDP86-00513R00041271

FEDOROVA, L.V. -- "Homologs of Monovinylacetylone. Reactions of Additions to Hydrocarbons with Mutally Adjacent Double and Triple Bonds," Cnad Chem Sci, Leningrad State U, Leningrad 1953. (HEFERATIVNYY ZHURNAL--KHINIYA, No 1, Jan 54)

Source: SUM 168, 22July 1954



FEDOROVA, L.V.

USSR/Chemistry - Organic chemistry

Card 1/1 Pub. 151 - 11/38

Authors : Favorskaya, I. A., and Fedorova, L. V.

Title : Monovinylacetylene homologues. Pari 3.- Coclic diene ethers

Periodical : Zhur. ob. khim. 24/2, 242-251, Feb 1954

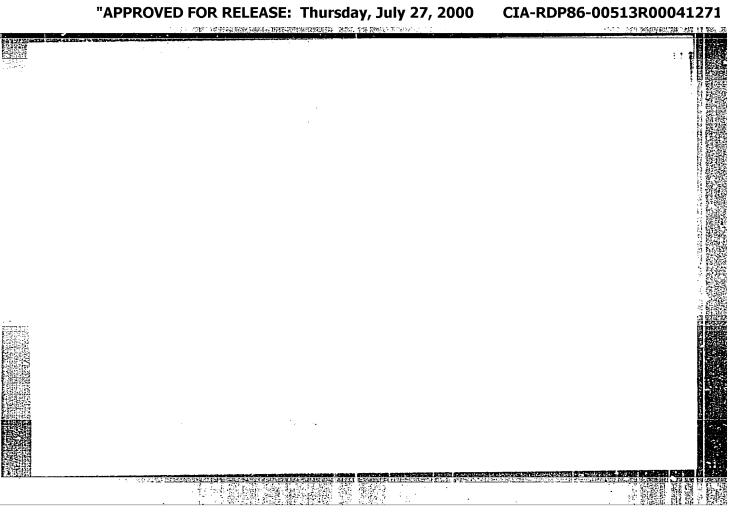
Abstract: The derivation and characteristics of cyclic diene ethers of the general formula $C_nH_{2n-5}OR - 1$ -alpha-methoxyvinyl- Δ' - cyclopentene and 1-alpha-methoxyvinyl- Δ' - cyclopentene -, are described. These compounds were found to be highly reactive dienes and are therefore considered as suitable for the synthesis of numerous poly-cyclic systems. Cyclic diene ethers also offer a suitable medium for the conversion (through diene synthesis) into different bicyclic ketone derivatives of the decalone and hexahydroindanone series and through reaction with quinones into a little known class of polycyclenediones and polycyclenetriones. Twenty references: 12-USSR and 8-USA (1935-1953).

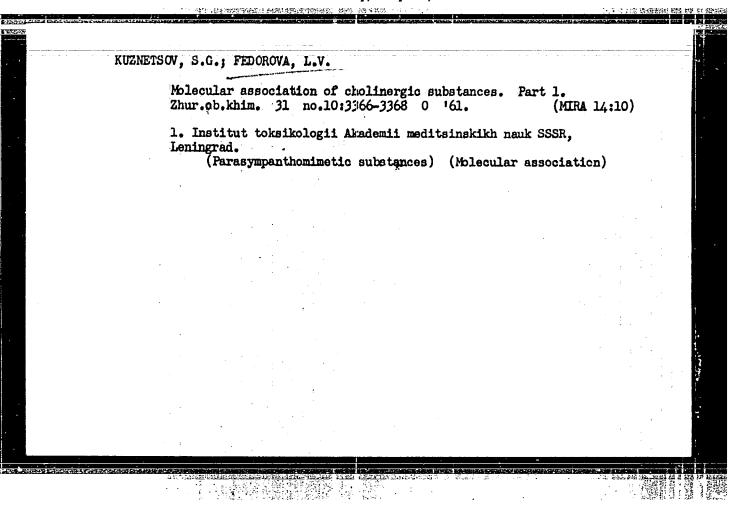
Tables; graphs.

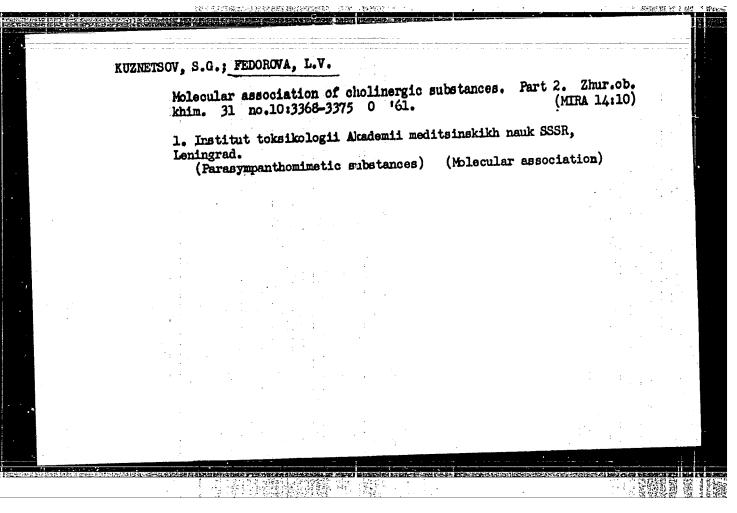
Institution: The Order of Lenin-A. A. Zhdanov State University, The A. E. Favorskiy Labora-

tory, Leningrad

Submitted : August 12, 1953







KUZNETSOV, S.G.; FEDOROVA, L.V.

Molecular association of cholinergic substances. Part 3. Zhur.ob.
khim. 32 no.7:2354-2357 J.l. 162. (MIRA 15:7)

1. Institut toksikologii Ministerstva zdravookhraneniya SSSR, Leningrad.

(Parasympatholytics) (Molecular association)

Molecular association of cholinergic substances. Part 4.4

Zhur.ob.khim. 32 no.11:3775-3778 N '62. (MIRA 15:11)

(Parasympathomimetic substances)

(Molecular association)

ARMAND, N.A.; VVEDENSKIY, B.A.; GUSYATINSKIY, I.A.; IGOSHEV, I.P.;
KAZAKOV, L.Ya.; KALININ, A.I.; KOLOSOV, M.A.; LEVSHIN, I.P.;
LOMAKIN, A.N.; NAZAROVA, L.G.; NEMIROVSKIY, A.S.; PROSIN,
A.V.; RYSKIN, E.Ya.; SOKOLOV, A.V.; TARASOV, V.A.; TRASHKOV,
P.S.; TIKHOMIROV, Yu.A.; TROITSKIY, V.N.; FEDOROVA, L.V.;
CHERNYY, F.B.; SHAHEL'NIKOV, A.V.; SHIREY, R.A.; SHIFRIN, Ya.S.;
SHUR, A.A.; YAKOVLEV, O.I.; ARENBERG, N.Ya., red.

[Long-distance tropospheric propagation of ultrashort radio waves] Dal'nee troposfernoe rasprostranenie ul'trakorotkikh radiovoln. Moskva, Sovetskoe radio, 1965. 414 p. (MIRA 18:9)

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VOLKOV, M.V., dotsent (Moskva, G-48, Komsomolskiy prosp., d.36, kv.51); FEDOROVA, L.Ye.

Glosed method for the treatment of congenital hip dislocations in children by means of a plaster cast-cot. Ortop., travm.i protes. 22 no.3:25-27 '61. (MIRA 14:4)

1. Iz kliniki detskoy khirurgii i ortopedii (zav. kafedroy - chlen-korrespondent AMN SSSR prof. S.D. Ternovskiy [deceased]) II Moskovskogo gosudarstvennogo meditsinskogo instituta imeni N.I. Pirogova i iz detskoy ortopedicheskoy polikliniki (zav. - A.V. Uvarova) pri bol'nitse in. N.F. Filatova.

(HIP JOINT—DISLOCATION) (PLASTER CASTS, SURGICAL)

FEDOROVA, M., tekhnik-smotritel' zdaniy (Moskva); ROGOV, A.

We answer your questions. Zhil, kom. khoz. 11 no.12:28 D '61.
(MTRA 16:11)

1. Predsedatel' gruppovogo komiteta Ryazanskogo gorodskogo zhilishchnogo upravleniya (for Rogov).

SKURATOV, A.D., red., V redaktirovanii prinimali uchastiye: SHKATOV, K.K.;

FEDOROVA, M.A.; OVCHINNIKOV, A.I.; SIZOVA, A.I.; SIGEL', M.G.;

KARVETSKIY, A.V.; KULICHKIN, A.V.; HIKOLAYEVA, Z.A.; STEPANOVA,

V.P.; RYZHOVA, V.K.; MUZHIKOVA, V.N., YEREMIN, H.I., red.;

KHAKHAM, Ya.M., tekhn.red.

[Economy of Ul'yanovsk Province; a concise statistical mammal]
Narodnos khosiaistvo Ul'ianovskoi oblasti; kratkii statisticheskii
sbornik. Ul'ianovskos knishnos izd-vo. 1958. 199 p. (MIRA 12:3)

1. Ulyanovsk (Province). Oblastneye statisticheskoye upravleniye. 2. Nachal'nik Statisticheskogo upravleniya Ul'yanovskoy oblasti (for Skuratov).

(Ul'yenovsk Province--Statistics)

SIDNEVA, K.M., kand.tekhn.nauk; FRDOROVA, M.A., mladshiy nauchnyy sotrudnik; POZDNYAKOVA, A.A., inzh.

New dyes for dyeing and printing pure silk fabrics. Tekst.prom. 22 no.ll:60-61 N '62. (MIRA 15:11)

1. Sotrudniki Nauchno-issledovatel' skogo instituta organicheskikh poluproduktov i krasiteley (NIIOPiK). (Dyes and dyeing—Silk)

SIDNEVA, K.M., kand.takhn.nauk; FEDOROVA, M.A., mladshiy nauchnyy sotrodaik

New state standard for testing dye stability to physicochemical action. Tekst.prom. 23 no.3:73-74 Ag '63. (MIRA 16:9)

1. Sotrudniki Nauchno-issledovatel'skogo instituta organicheskikh poluproduktov i krasiteley (MIOPIK).

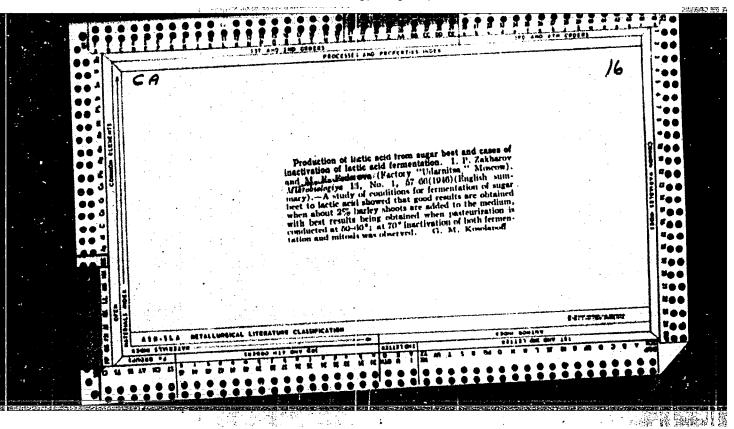
(Dyes and dyeing--Testing)

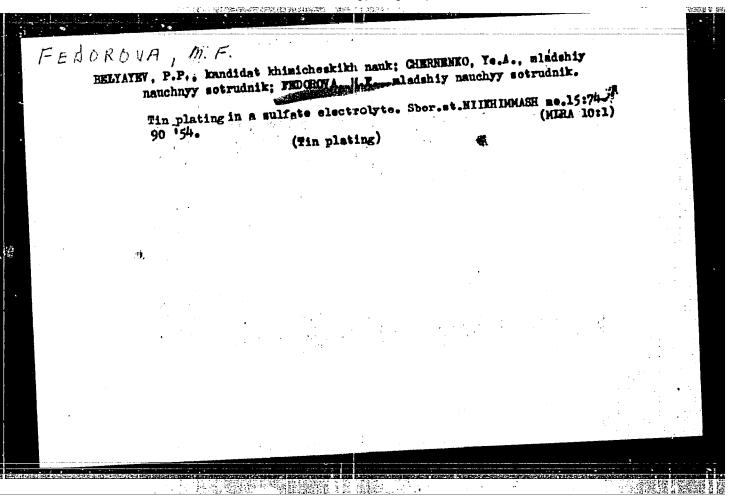
RYKOV, G.A.; FEDOROVA, M.D., otv. red.; BORODACH, A.P., red. izd-va

[Geology, mineralogy, petrography, and ore deposits; course outline for secondary special schools for the major "Working ore and placer deposits." [Geologiia, mineralogiia, petrografiia i rudnye mestorozhdeniia; programma dlia srednikh spetsial'nykh uchebnykh zavedenii po spetsial'nosti "Razrabotka rudnykh i rossypnykh mestorozhdenii." Moskva, 1961. 15 p. (MIRA 15:9)

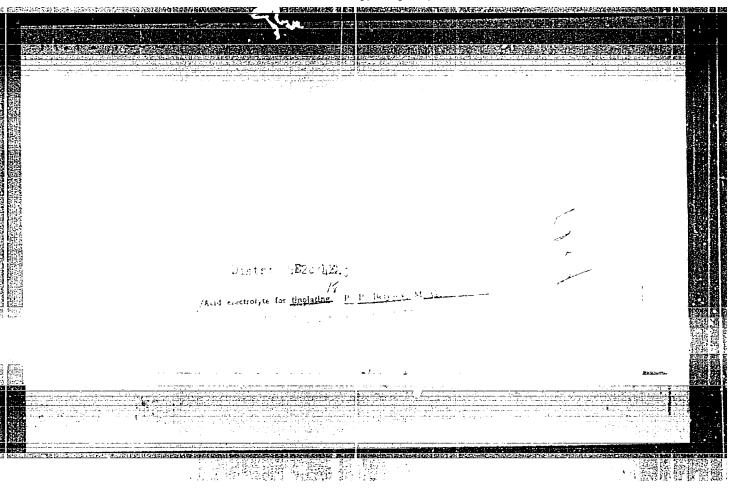
1. Russia (1923- U.S.S.R.) TSentral'nyy metodicheskiy kabinet po srednemu spetsial'nomu obrazovaniyu.

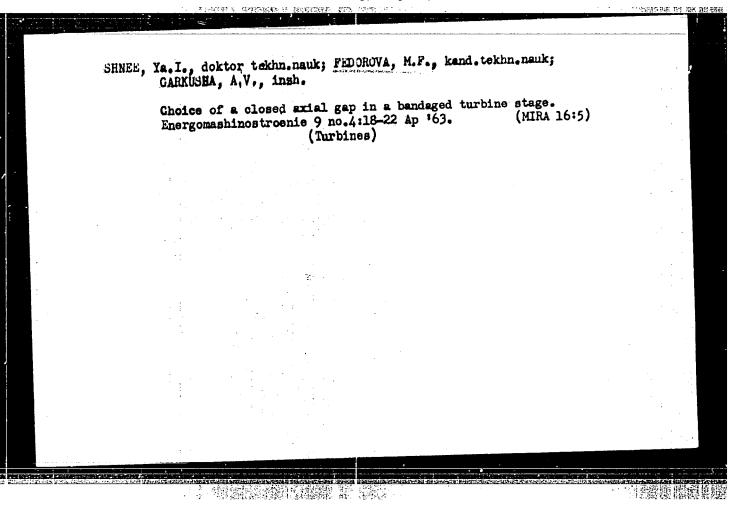
(Geology, Economic—Study and teaching)

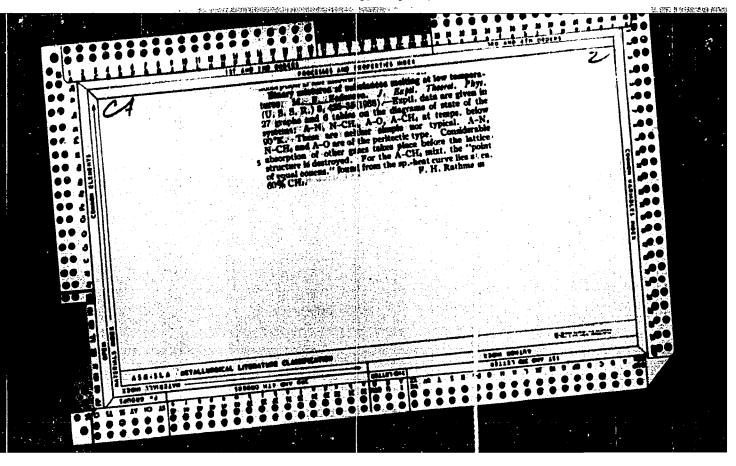


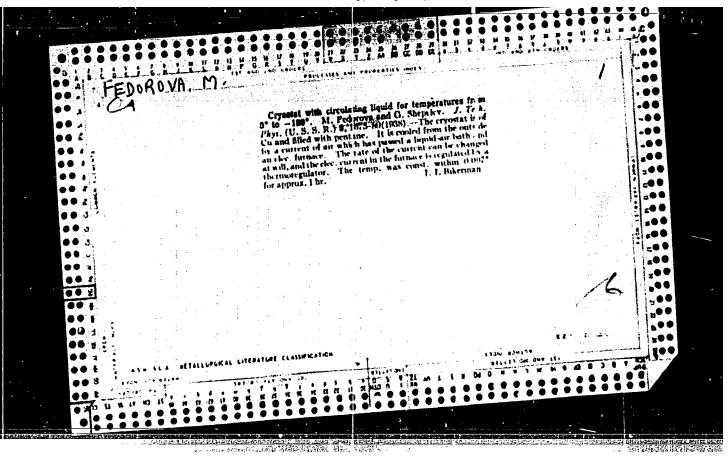


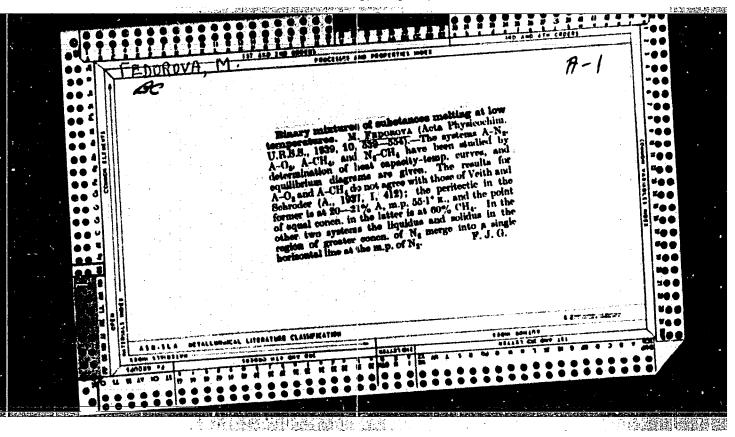
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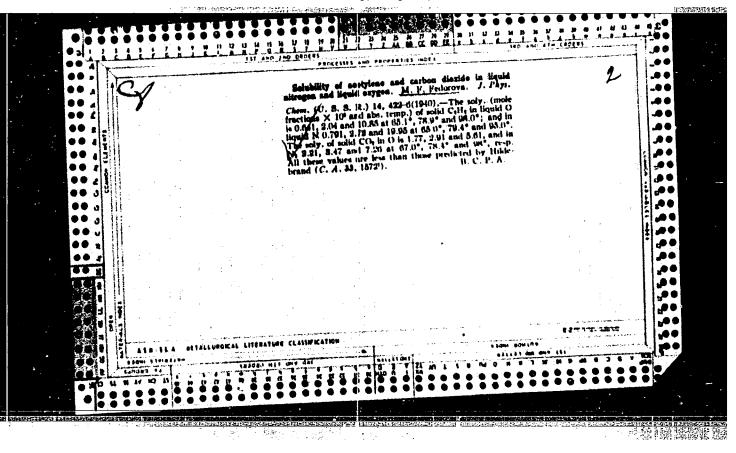


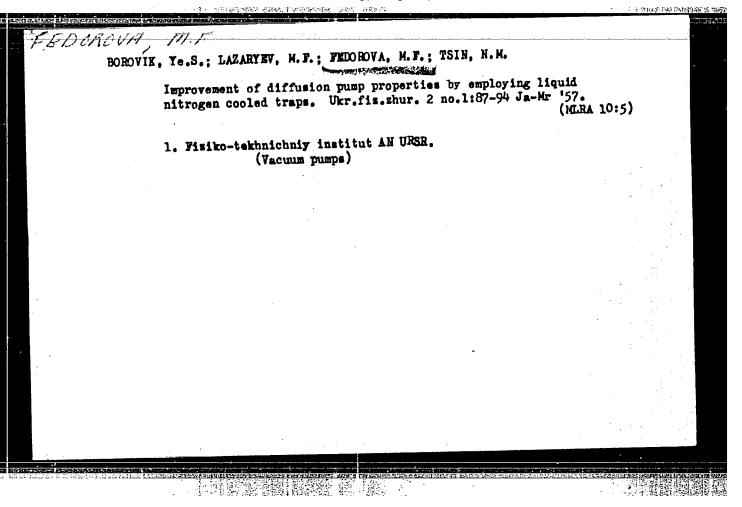


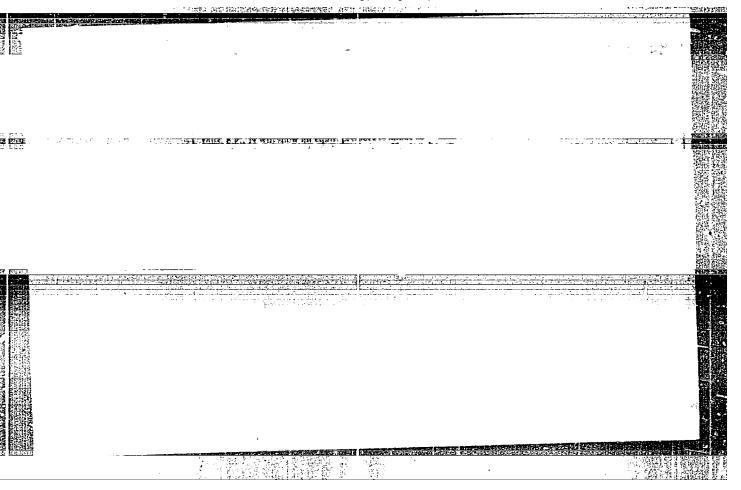


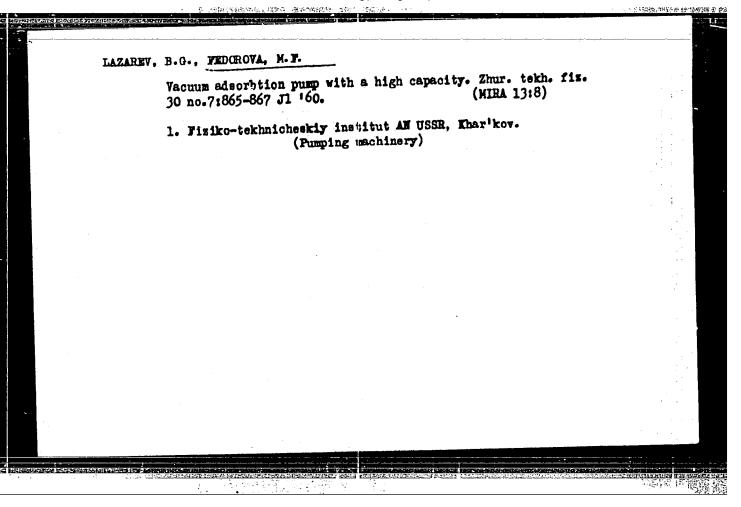












25034 \$/057/61/031/007/017/021 B104/B206

AUTHORS:

Lazarev, B. G., and Fedorova, M. F.

TITLE:

High-vacuum adsorption pump for hydrogen evacuation

PERIODICAL:

Zhurnal tekhnicheskoy fiziki, v. 31, no. 7, 1961, 864-866

TEXT: Activated charcoal cooled to liquid hydrogen temperature adsorbs large amounts of gaseous hydrogen. This fact is utilized for the adsorption pumps described here. Two types of these pumps are shown in Figs. 1 and 2, pumps described here. Two types of these pumps are shown in Figs. 1 and 2, pumps described here. Two types of these pumps are shown in Figs. 1 and 2, pumps described parts being designated analogously. The adsorbing elements are cooled by liquid hydrogen flowing in two coaxial cylinders (2). The activated charcoal is placed on the inner walls of the hollow cylinders. In order to prevent too fast hydrogen evaporation, this part is cooled in order to prevent too fast hydrogen evaporation, this part is cooled in order to prevent too fast hydrogen evaporation, this part is cooled in the following which is inside the hollow space (1). Parts (1) by liquid nitrogen which is inside the hollow space (1). Parts (1) by liquid nitrogen which is inside the hollow space (1). Parts (1) by liquid nitrogen which is inside the hollow space (1). Parts (1) by liquid nitrogen which is inside the hollow space (1). Parts (1) by liquid nitrogen which is inside the hollow space (1). Parts (1) by liquid nitrogen which is inside the hollow space (1). Parts (1) by liquid nitrogen which is inside the hollow space (1). Parts (1) by liquid nitrogen which is inside the hollow space (1). Parts (1) by liquid nitrogen which is inside the hollow space (1). Parts (1) by liquid nitrogen which is inside the hollow space (1). Parts (1) by liquid nitrogen which is inside the hollow space (1). Parts (1) by liquid nitrogen which is inside the hollow space (1). Parts (1) by liquid nitrogen which is inside the hollow space (1). Parts (1) by liquid nitrogen which is inside the hollow space (1). Parts (1) by liquid nitrogen which is inside the hollow space (1). Parts (1) by liquid nitrogen which is inside the hollow space (1). Parts (1) by liquid nitrogen which is inside the hollow space (1) by liquid nitrogen which is inside the hollow sp

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High-vacuum adsorption ...

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initial stage and subsequently, liquid hydrogen into the final stage. The vacuum thus obtained lies at $\leq 10^{-7}$ mm Hg. The pumping rate amounts to 400 1/sec at 8.10-8 mm Hg and up to 900 1/sec at 10-5 mm Hg. The efficiency of a pump of type no. 2 as a function of the pressure is graphically shown in Fig. 3 for combined operation (hydrogen and nitrogen) and for operation with nitrogen alone. The pumps described were also successfully used for helium evacuation. For further development of these pumps and determination of their characteristics, it is necessary to study the adsorption isotherms of a number of gases over a wide temperature range at pressures from 10^{-5} to 10^{-8} mm Hg. A report on these studies will be given shortly. The authors thank V. V. Zolotarev for the construction of the pumps. There are 3 figures, 1 table, and 4 Soviet-bloc references.

Fiziko-tekhnicheskiy institut AN USSR Khar'kov (Physico-technical Institute, AS UkrSSR, Khar'kov) ASSOCIATION:

September 10, 1960 SUBMITTED:

Card 2/4

"APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00041271

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EWT(1)/EWP(q)/EWT(m)/BDS--AEDC/AFFTC/ASD--JD

ACCESSION NR: AP3000015

8/0057/63/033/005/0585/0591

AUTHOR: Fedorova, M. F.

TITIE: Isotherms for adsorption of games on BAU carbon at low temperatures in the 10 sup -9 to 10 sup -2 mm Hg pressure range. 1. Adsorption isotherms for

hydrogen and deuterium

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 33, no. 5, 1963, 585-591

TOPIC TAGS: adsorption by activated carbon, sorption pumps, H, P

ABSTRACT: For design and operation of high-vacuum sorption pumps it is essential to know the adsorptive capacity at low temperature of the sorbents used in a wide pressure range. Hitherto the adsorption isotherms for BAU (activated) carbon have been determined only in the range of medium pressures; hence it was deemed desirable to extend the measurements into the region of low pressures. The paper describes the experimental set-up (a cooled double jacket cylinder), the measurement procedure and the results obtained in determining the equilibrium pressure of hydrogen and deuterium over BAU carbon at

Card 1/2

L 9915-63 ACCESSION NR: AP3000015

2

4.2 (H only), 20.4 and 60°K in the pressure range from 10 sup -9 to 10 sup -2 mm Hg. The measurement results are tabulated. The adsorption mechanism is discussed; it is inferred that the absorbed hydrogen molecules for a monomolecular layer. If it were possible to eliminate the apparatus background completely, it might be fessible to substantiate Langmuir's equation according to which adsorption in the region of low pressures should increase linearly.

"I take this opportunity to thank Academician (AN Ukrainian SSR) V. G. Lazarev for his interest in the work and discussion of the results." Orig. art. has: 4 figures and 2 tables.

ASSOCIATION: Fiziko-tekhnicheskiy institut AN USSR, Khar'kov (Physico-technical Institute, AN USSR, Khar'kov)

SUBMITTED: 20Apr62

DATE ACQ: 12Jun63

ENCL: 00

SUB CODE: PH

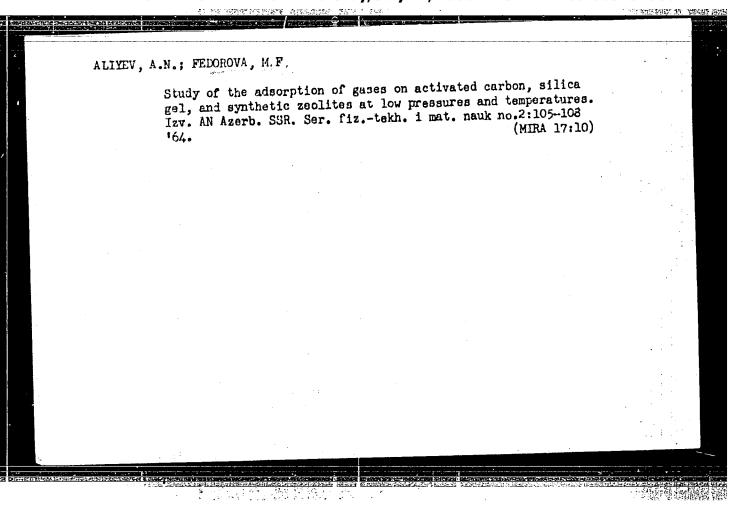
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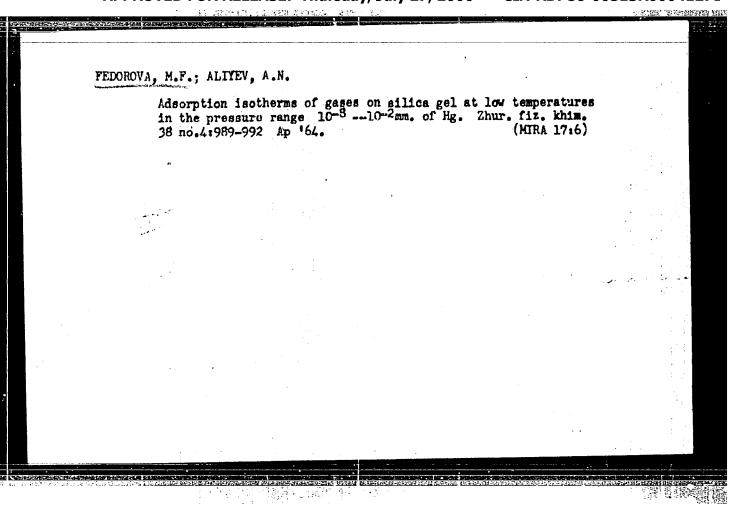
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"APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00041271





FEDOROVA, M.F., ALIYEV, A.N. (Moscow)

Neon and argon adsorption isotherms on BAU carbon and KSM silica gel at low temperatures and pressures. Zhur. fiz. khim. 38 no.12: 2792-2795 D *64.

1. Fiziko-tekhnicheskiy institut AN UkrSSR.

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FEDOROVA, M. I. Pervaya vsesoyuznaya sel'skokhozyaystvennaya vystavka (first All-Union Agricultural Exhibition) Moskva, Izd-vo Moskovskogo Universiteta, 1953. 113 p. illus., tables. Bibliographical footnotes. So: N/5 723 .F2

FEDOROVA, M. I., KULAGIN, S. M., SOMOV, G. P., LILICH, V. A., SHAPIRO, H. I., SUYOROVA, L. G., BOPROVSKIY, V. H.,

"Further observations of tick-borne rickettriosis in the Primorye region." p. 109

Desystove soveshchaniye po parazitologicheskim problemam i Priodnoochegovym boleznyam. 22-29 Oktyabrya 1959 g. (Tenth Conference on Parasitological Problems and Diseases with Natural Foci 22-29 October 1959), Moscow-Leningrad, 1959, Academy of Nadical Sciences USSR and Academy of Sciences USSR, No. 1 25hpp.

Inst. of Epidemiology and Microbiology, AMS USSR/ Moscow and Vladivostock

FEDOROVA, Mariya Ivanovna; EHROMOVA, Ye.A., red.; TERMAKOV, M.S.,

tekhn.red.

[Strengthening the commanal economy of collective farms and
changes in the produce procurement policy during the peace years
of the third five-year plan] Ukreplenie obshohestvennogo
khosisistva kolkhosov i izmeneniia v politike zagotovok sel'skokhosisistvennykh produktov v niraye gody tret'ei platiletki;
lektsiis. Moskva, Mosk.univ., 1960. 95 p.

(KIRA 14:1)

(Collective ferms)

8/0000/64/000/000/0029/0034

ACCESSION NR: AT4044486

AUTHOR: Gruzdev, G.T., Fedotova, M.I., Shcherbova, Ye. N.

TITLE: Disruption of the processes of bone marrow regeneration

SOURCE: Vosstanovitel'ny*ye protsessy* pri radiatsionny*kh porazheniyakh (Recovery from radiation injuries); sbornik statey. Moscow, Atomizdat, 1964, 29-34

TOPIC TAGS: radiation sickness, hematopoiesis, bone marrow, bone marrow regeneration, mitosis, chromosome aborration

ABSTRACT: The collularity, mitotic index and chromosomal aberrations in the bone marrow were studied in male Wistar rats, irradiated with X-rays from Co⁶⁰ in doses of 150, 400, 750 and 5000 r at an intensity of 290 r/minute. The results showed marked changes in the quality and quantity of actively dividing cells. These changes were eschanges in the first for bourg effor irradiation. With an increase in the radiation pecially acute in the first few hours after irradiation. With an increase in the radiation dose, there was an increase in both depression of cell division and the level of chromosomal aberrations. There was an exponential decrease in the number of cells in the bone marrow, starting 7 hours after irradiation with a dose of 5000 r and continuing until death; there was also complete suppression of cell division at that dose. At doses

L 4280-66 EWT(m)/EWP(j)/T RM.
ACCESSION NR: AP5024109 UR/013

UR/0138/65/000/009/0049/0050 578.044.7:546/547.02

AUTHOR: Galybin, G. M.; Maslova, G. A.; Fedorova, M. I.

TITLE: Chemical composition of triethal

SOURCE: Kauchuk i rezina, no. 9, 1965, 49-50

TOPIC TAGS: rubber chemical, phthalic acid, triethanolamine, vulcanization

ABSTRACT: Tricthal is used at the Yaroslavskiy shinnyy zaved (Yaroslavl Tire Plant) as a vulcanization activetor replacing a combination of diphenylguanidine and altax. Its chemical composition was studied by determining the hydroxyl groups in organic compounds, determining the carboxyl groups by titrating with alkali in an alcohol medium, and determining nitrogen in organic compounds by the Kjeldahl method. It was found that triethal is a mixture of complex chemical products formed by the reaction of phthalic anhydride with commercial triethanolamine. It consists of esters (about 80%), a crystalline organic salt which has no vulcanizing properties, and excess triethanolamine. The influence of triethal and its components on the properties of inner-tube rubbers was determined. Orig. art. has: 1 table.

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ASSOCIATION	: Yaros	lavskiy shinnyy zavo	d (Yarosia)	/ <u>/ </u>	SUB CODE:	OC.	GC	4
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Card 2/2	SP.							 *

GALYBIN, G.M.; MASLOVA, G.A.; FEDOROTA. M.I.

Chemical composition of triethal. Kauch. 1 rez. 24 no.9:49-51 '65.

(MIRA 18:10)

1. Yaroslavskiy shinnyy zaved.

ACC NR: AP7002718 (A) SOURCE CODE: UR/0381/66/000/006/0050/0058

AUTHOR: Zaytsev, V. I.; Ruleva, T. Ya.; Fedorova, M. K.

ORG: none

TITLE: Testing the airtightness of welds and the base metal of a structure with

GTI-3 and VAGTI-4 halide leak detectors

SOURCE: Defektoskopiya, no. 6, 1966, 50-58

TOPIC TAGS: hermetic seal, weld defect, flaw detection, welded seam, leak finder, halide leak finder, detector/GTI 3 leak finder, VAGTI 4 leak finder

ABSTRACT: The accuracy of the GTI-3 and VAGTI-4 portable halide leak detectors in determining the airtightness of metal structures is analyzed. Optimum conditions and test specifications (extent and rate of evacuation, magnitude of freon overpressure) determined experimentally are given. Orig. art. has: 5 figures and 6 tables. [Translation of authors' abstract]

SUB CODE: 15/SUBM DATE: 24Jan66/ORIG REF: 008/

Card 1/1

UDC: 620, 179, 18

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RYBAKOVA, L.S.; FEDOROVA, M.K.

Rupture of aneurysms of the cerebral arteries. Kaz. med. zhur.
no.6:24-28 N-D 163. (MIRA 17:10)

1. Kafedra nevrologi¹ (zav. - prof. I.I. Rusetskiy) i l-ya
kafedra terapii (zav. - prof. L.M. Rakhlin) Kazanskogo gosudarstvennogo instituta dlya usovershenstvovaniya vrachey imeni
Lenina.

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041271(

3/184/62/000/001/005/008 D041/D113

AUTHORS:

Gayduchenko, G.K., and Fedorova, M.M., Engineers

TITLE:

Cracking of L062-1 and L62 brass due to corrosion

PERIODICAL: Khimicheskeye mashinostroyeniye, no. 1, 1962, 42-43

TEXT: The authors describe tests with J062-1 (L062-1) and I 62 (L62) brass specimens conducted at the "Bol'shevik" zavod (Plant), in order to determine the effect of residual stresses on the tendency of the specimens to crack due to acrrosion. For this purpose, 22 mm thick sheets were welded and subsequently bent on rolls. After tests in ammonia vapor, all specimens showed cracks. The effect of various types of mechanical treatment (grinding, planing, etc.) on the cracking of brass due to corrosion was also investigated and analogous results obtained: ammonia vapor caused this bracks on the surface of all specimens. It was concluded that, in order to eliminate residual stresses, the L62 and L0-62-1 brass specimens should be annealed at 300° C for 2 - 3 hours after all types of mechanical treatment and welding. There are 3 figures and 2 Soviet-block references.

Card 1/1

